

pSK-moderna-Swt

LOCUS pSK-Moderna-Swt 6910 bp DNA circular SYN 18-FEB-2022
SOURCE synthetic DNA construct.
ORGANISM synthetic DNA construct
REFERENCE 1 (bases 1 to 7019)
AUTHORS Demo User
TITLE Direct Submission
JOURNAL Exported Thursday, Aug 19, 2021 from SnapGene Viewer 5.1.7 to Vector
NTI(R) format
<https://www.snapgene.com>
COMMENT Storage Type: Basic
Original Author:
Demo User
COMMENT This file is created by Vector NTI
<http://www.invitrogen.com/>
COMMENT ORIGDB|GenBank
COMMENT VNTDATE|142644071
COMMENT VNTDBDATE|142696221
COMMENT LSOWNER|
COMMENT VNTNAME|pSK-Moderna-Swt|
COMMENT VNTAUTHORNAME|Demo User|
FEATURES Location/Qualifiers
misc_feature complement(263..569)
/vntifkey="21"
/label=f1
primer complement(752..786)
/vntifkey="27"
/label=MMrnd5T7
/note="sequence: ttctctcttattttccctatagtgagtcgtattacg"
misc_feature 754..773
/vntifkey="21"
/label=T7\promoter
primer 759..794
/vntifkey="27"
/label=P-MrndT75
/note="sequence: cgactcactatagggaaataagagagaaaagaagag"
primer 772..794
/vntifkey="27"
/label=Mrdn\B1F-GG
/note="sequence: ggaaataagagagaaaagaagag"
misc_feature 773..827
/vntifkey="21"
/label=5'\UTR
CDS 828..4646
/vntifkey="4"
/label=S\Protein
primer 2073..2093
/vntifkey="27"
/label=PMord1300
/note="sequence: ggcaagatcgccgactacaac"
primer 2166..2198
/vntifkey="27"
/label=PMordL452
/note="sequence: ggcaactacaactacctgtaccggctgttccgg"
primer complement(2166..2198)
/vntifkey="27"

pSK-moderna-Swt

```

/misc_feature /label=MMordL452
                /note="sequence: ccggaacagccggtacaggtagttgtagttgcc"
                2181..2183
                /vnt ifkey="21"
primer /label=L\452
                2262..2294
                /vnt ifkey="27"
primer /label=PMordE484
                /note="sequence: ccttgcaacggcgtggagggcttcaactgctac"
                complement(2262..2294)
                /vnt ifkey="27"
                /label=MMordE484
/misc_feature /note="sequence: gtagcagttgaagccctccacgccgttgcaagg"
                2277..2279
                /vnt ifkey="21"
primer /label=E\484
                2313..2345
                /vnt ifkey="27"
                /label=PMordN501
primer /note="sequence: ggcttccagcccaccaacggcgtgggctaccag"
                complement(2313..2345)
                /vnt ifkey="27"
                /label=MMordN501
/misc_feature /note="sequence: ctggtagcccacgccgttggtgggctggaagcc"
                2328..2330
                /vnt ifkey="21"
primer /label=N\501
                complement(2337..2348)
                /vnt ifkey="27"
                /label=MMordN501
primer /note="sequence: ctggtagcccacgccgttggtgggctggaagcc"
                2652..2684
                /vnt ifkey="27"
                /label=PMordD614
primer /note="sequence: gccgtgctgtaccaggacgtgaactgcaccgag"
                complement(2652..2684)
                /vnt ifkey="27"
                /label=MMordD614
/misc_feature /note="sequence: ctcggtgcagttcacgtcctggtacagcacggc"
                2667..2669
                /vnt ifkey="21"
primer /label=D\614
                complement(2793..2816)
                /vnt ifkey="27"
                /label=B1R2
primer /note="sequence: gtcgcactcgtagctgttgttcac"
                2793..2816
                /vnt ifkey="27"
                /label=B2F2
/misc_feature /note="sequence: gtgaacaacagctacgagtgcgac"
                2796..2815
                /vnt ifkey="21"
misc_feature /label=B2F
                2796..2815
                /vnt ifkey="21"

```

pSK-moderna-Swt

```

primer      /label=B1R
            2853..2885
            /vnt ifkey="27"
            /label=PMordP681
primer      /note="sequence: acccagaccaattcaccgccggagggaaggagc"
            complement(2853..2885)
            /vnt ifkey="27"
            /label=MMordP681
misc_feature /note="sequence: gctccttgccctccggggtgaattggctctgggt"
            2868..2870
            /vnt ifkey="21"
            /label=P\681
primer      3660..3692
            /vnt ifkey="27"
            /label=PMordD950
primer      /note="sequence: ctgggcaagctgcaggacgtgggtgaaccagaac"
            complement(3660..3692)
            /vnt ifkey="27"
            /label=MMordD950
misc_feature /note="sequence: gttctgggtcaccacgtcctgcagcttgcccag"
            3675..3677
            /vnt ifkey="21"
            /label=D\950
primer      complement(3788..3808)
            /vnt ifkey="27"
            /label=MMord3035
misc_feature /note="sequence: tcgatctgcacctcggcctcg"
            4647..4655
            /vnt ifkey="21"
            /label=Stop
misc_feature 4656..4765
            /vnt ifkey="21"
            /label=3'\UTR
primer      complement(4849..4871)
            /vnt ifkey="27"
            /label=T3P
misc_feature /note="sequence: cgcaattaaccctcactaaaggg"
            complement(4849..4868)
            /vnt ifkey="21"
            /label=T3\P
misc_feature complement(5235..5902)
            /vnt ifkey="21"
            /label=pUC\ori
misc_feature complement(6053..6910)
            /vnt ifkey="21"
            /label=Ampicillin

```

BASE COUNT 1628 a 2089 c 1855 g 1338 t
ORIGIN

```

1  acttttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata
61  catatttgaa tgtattttaga aaaataaaca aataggggtt ccgcgcacat tccccgaaa
121 agtgccacct aaattgtaag cgttaatatt ttgttataat tcgcgttaaa tttttgttaa
181 atcagctcat tttttaacca ataggccgaa atcggcaaaa tcccttataa atcaaaagaa
241 tagaccgaga tagggttgag tgttgttcca gtttggaaaca agagtccact attaaagaac
301 gtggactcca acgtcaaagg gcgaaaaacc gtctatcagg gcgatggccc actacgtgaa
361 ccataccctt aatcaagttt tttggggtcg aggtgccgta aagcactaaa tcggaacctt

```

pSK-moderna-Swt

421 aaagggagcc cccgatttag agcttgacgg ggaaagccgg cgaacgtggc gagaaaggaa
481 gggaagaaag cgaaggagc gggcgctagg gcgctggcaa gtgtagcggc cacgctgcgc
541 gtaaccacca caccgcccgc gcttaatgcg ccgctacagg gcgctccca ttcgccattc
601 aggctgcgca actgttggga agggcgatcg gtgcgggcct cttcgctatt acgccagctg
661 gcgaaagggg gatgtgctgc aaggcgatta agttgggtaa cgccagggtt tcccagtca
721 cgacgttgta aaacgacggc cagtgagcgc gcgtaatacg actcactata gggaaataag
781 agagaaaaga agagtaagaa gaaatataag accccggcgc cgccaccatg ttcgtgttcc
841 tgggtgctgct gcccttggg agcagccagt gcgtgaacct gaccaccggg acccagctgc
901 caccagccta caccaacagc ttcaccggg gcgtctacta ccccgacaag gtgttccgga
961 gcagcgtcct gcacagcacc caggacctgt tctgcccctt cttcagcaac gtgacctggt
1021 tccacgccat ccacgtgagc ggcaccaacg gcaccaagcg gttcgacaac cccgtgctgc
1081 ccttcaacga cggcgtgtac ttcgccagca ccgagaagag caacatcctc cggggctgga
1141 tcttcggcac caccctggac agcaagacc agagcctgct gatcgtgaat aacgccacca
1201 acgtggatgat caaggtgtgc gagttccagt tctgcaacga ccccttctg ggcgtgtact
1261 accacaagaa caacaagagc tggatggaga gcgagttccg ggtgtacagc agcgcacaaca
1321 actgcacctt cgagtacgtg agccagccct tctgatgga cctggaggggc aagcagggca
1381 acttcaagaa cctgcgggag ttcgtgttca agaacatcga cggctacttc aagatctaca
1441 gcaagcacac cccaateaac ctggtgcggg atctgcccc gggttctca gccctggagc
1501 ccttgggtgga cctgccccatc ggcatecaaca tacccegggt ccagacctg ctggcccctgc
1561 accggagcta cctgaccccc ggcgacagca gcagcgggtg gacagcaggc gcggctgctt
1621 actacgtggg ctacctgcag ccccgacct tctgctgaa gtacaacgag aacggcacca
1681 tcaccgacgc cgtggactgc gccctggacc ctctgagcga gaccaagtgc accctgaaga
1741 gcttaccctg ggagaagggc atctaccaga ccagcaactt cggggtgcag cccaccgaga
1801 gcctcgtgct gttccccaac atcaccacc tgtgcccctt cggcgagggtg tcaacgccca
1861 cccggttcgc cagcgtgtac gccctggaacc ggaagcggat cagcaactgc gtggccgact
1921 acagcgtgct gtacaacagc gccagcttca gcaccttcaa gtgctacggc gtgagccccca
1981 ccaagctgaa cgacctgtgc ttcaccaacg tgtacgcga cagcttcgtg atccgtggcg
2041 acgaggtgct gcagatcga cccggccaga caggcaagat cgcgactac aactacaagc
2101 tgcccagca cttaccggc tgcgtgatcg cctggaacag caacaacctc gacagcaagg
2161 tggggcgcaa ctacaactac ctgtaccggc tgttccggaa gagcaacctg aagcccttcg
2221 agcgggacat cagcaccgag atctaccaag ccggctccac ccttgcacac ggcgtggagg
2281 gcttcaactg ctacttccct ctgcagagct acggcttcca gccccaacac ggcgtgggct
2341 accagcccta ccgggtgggtg gtgctgagct tgcagctgct gcacgccccca gccaccgtgt
2401 gtggcccaaa gaagagcacc aacctgggtg agaacaagtg cgtgaacttc aacttcaacg
2461 gccttaccgg caccggcgtg ctgaccgaga gcaacaagaa attcctgccc tttcagcagt
2521 tcggccggga catcggcgac accaccgacg ctgtgcggga tccccagacc ctggagatcc
2581 tggacatcac ccttgcagc ttcggcggcg tgagcgtgat caccaccagg accaacacca
2641 gcaaccaggt ggccgtgctg taccaggacg tgaactgcac cgaggtgccc gtggccatcc
2701 acgcccacca gctgacacct acctggcggg tctacagcac cggcagcaac gtgttccaga
2761 cccgggcccg ttgctgacg ggcgcccagc acgtgaacaa cagctacgag tgcgacatcc
2821 ccateggcgc cggcatctgt gccagctacc agaccagac caattcacc cggagggcaa
2881 ggagcgtggc cagccagagc atcatcgct acacctgag cctgggcgcc gagaacagcg
2941 tggcctacag caacaacagc atcgccatcc ccaccaactt caccatcagc gtgaccaccg
3001 agattctgcc cgtgagcatg accaagacca gcgtggactg caccatgtac atctgcggcg
3061 acagcaccga gtgcagcaac ctgctgctgc agtacggcag cttctgcacc cagctgaacc
3121 gggccctgac cggcatcgcc gtggagcagg acaagaacac ccaggagggtg ttcgcccagg
3181 tgaagcagat ctacaagacc cttccatca aggacttcgg cggcttcaac ttcagccaga
3241 tcttgcgccg ccccagcaag cccagcaagc ggagcttcat cgaggacctg ctgttcaaca
3301 aggtgacctt agccgacgcc ggcttcatca agcagtacgg cgaactgctc ggcgacatag
3361 ccgcccggga cctgatctgc gcccagaagt tcaacggcct gaccgtgctg cctcccctgc
3421 tgaccgacga gatgatcgcc cagtacacca gcgcccgtgt agccggaacc atcaccagcg
3481 gctggacttt cggcgtgga gccgctctgc agatccccct cgcctgcag atggcctacc
3541 ggttcaacgg catcggcgtg acccagaacg tctgtacga gaaccagaag ctgatcgcca
3601 accagttcaa cagcgcctc ggcaagatcc aggacagcct gagcagcacc gctagcggcc
3661 tgggcaagct gcaggacgtg gtgaaccaga acgcccaggc cctgaacacc ctggtgaagc

pSK-moderna-Swt

3721 agctgagcag caacttcggc gccatcagca gcgtgctgaa cgacatcctg agccggctgg
3781 accctcccga ggccgaggtg cagatcgacc ggctgatcac tggccggctg cagagcctgc
3841 agacctagct gaccagcag ctgatccggg ccgccgagat tggggccagc gccaacctgg
3901 ccgccacca gatgagcgag tgcgtgctgg gccagagcaa gggggtggac ttctgaggca
3961 agggctacca cctgatgagc ttccccaga gcgcacccca cggagtgggtg ttctgacag
4021 tgacctagct gcccggccag gagaagaact tcaccaccgc cccagccatc tgccacgagc
4081 gcaaggccca cttccccgg gagggcgtgt tctgagcaa cggcaccac tggttctgta
4141 cccagcggaa cttctacgag ccccagatca tcaccaccga caacacctc gtgagcggca
4201 actgcgacgt ggtgatcggc atcgtgaaca acaccgtgta cgateccctg cagcccgagc
4261 tggacagctt caaggaggag ctggacaagt acttcaagaa tcacaccagc cccgacgtgg
4321 acctgggcga catcagcggc atcaacgcca gcgtggtgaa catccagaag gagatcgatc
4381 ggctgaacga ggtggccaag aacctgaacg agagcctgat cgacctgcag gagctgggca
4441 agtacgagca gtacatcaag tggccctggg acatctggct gggcttcate gccggcctga
4501 tcccatcgt gatggtgacc atcatgctgt gctgcatgac cagctgctgc agctgcctga
4561 agggctgttg cagctgcggc agctgctgca agttcgacga ggacgacagc gagcccgtgc
4621 tgaagggcgt gaagctgcac tacacctgat aataggctgg agcctcggtg gcctagcttc
4681 ttgccccttg ggctcctccc cagccctcc tccccctct gcaccctgac ccccgtggtc
4741 ttgaaataaa gtctgagtg gggcaagct tgatatgaa ttctgacagc ccgggggatc
4801 cactagtct agagcggccg ccaccgcggt ggagctccag cttttgttcc ctttagtgag
4861 ggttaattgc gcgcttggcg taatcatggt catagctgtt tctgtgtgta aattgttata
4921 cgctcacaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgctt
4981 aatgagtgag ctaactcaca ttaattgctg tgcctcact gcccgtttc cagtcgggaa
5041 acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta
5101 ttgggcgctc ttccgcttc tgcctcactg actcgtcgcg ctccgtcgtt cggctgcggc
5161 gagcggtatc agctcactca aaggcggtaa tacggttata cacagaatca ggggataacg
5221 caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgctg
5281 tcttggcgtt ttccatagg ctccgcccc ctgacgagca tcacaaaaat cgacgtcaa
5341 gtcagaggtg gcgaaaccg acaggactat aaagatacca ggcgtttccc cctggaagct
5401 cctcgtcgcg ctctcctgtt ccgacctgc cgttaccgg atacctgtcc gcctttctcc
5461 cttcgggaag cgtggcgctt tctcatagct cacgctgtag gtatctcagt tccgtgtagg
5521 tegtctcctc caagctgggc tgtgtgcacg aacccccgt tcagcccagc cgtcgcctt
5581 tatccggtaa ctatcgtctt gagtccaacc cggtaagaca cgaactatcg ccactggcag
5641 cagccactgg taacaggatt agcagagcga ggtatgtagg ccgtgctaca gaggttctga
5701 agtgggtggc taactacggc tacactagaa ggacagtatt tggatctgc gctctgctga
5761 agccagttac cttcggaaaa agagtggta gctcttgatc cggcaaaaaa accaccgctg
5821 gtagcgggtg ttttttgtt tgcaagcagc agattacgcg cagaaaaaaa ggatctcaag
5881 aagatcctt gatctttct acggggtctg acgctcagtg gaacgaaaac tcacgttaag
5941 ggattttggt catgagatta tcaaaaagga tcttcacct gatcctttta aattaaaaat
6001 gaagttttaa atcaatctaa agtatataag agtaaacttg gctctgacagt taccaatgct
6061 taatcagtga ggcacctatc tcagcgatct gctatcttcg tctatccata gttgcctgac
6121 tccccgtcgt gtagataact acgatacggg agggcttacc atctggcccc agtgcctgcaa
6181 tgataccgag agaccacgc tcaccggctc cagatttata agcaataaac cagccagccg
6241 gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc ctccatccag tctattaatt
6301 gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca
6361 ttgctacagg catcgtgggtg tcacgctcgt cgtttgggat ggcttcattc agctccgggt
6421 cccaacgatc aaggcgagtt acatgatccc ccatgttctg caaaaaagcg gttagctcct
6481 tccgtcctcc gatcgttctc agaagtaagt tggccgcagt gttatcactc atggttatgg
6541 cagcactgca taattctctt actgtcatgc catccgtaag atgcttttct gtgactgggtg
6601 agtactcaac caagtcattc tgagaatagt gtatgcggcg accgagttgc tcttgcccgg
6661 cgtcaatacg ggataatacc gcgccacata gcagaacttt aaaagtgtc atcattggaa
6721 aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcagatg
6781 aaccactcg tgcaccaac tgatcttcag catcttttac tttcaccagc gtttctgggt
6841 gagcaaaaac aggaaggcaa aatgccgcaa aaaagggaat aagggcgaca cggaaatggt
6901 gaatactcat

//